

(FILE 'HOME' ENTERED AT 07:49:32 ON 01 NOV 1999)

FILE 'USPATFULL, JAPIO, COMPENDEX' ENTERED AT 07:54:16 ON 01 NOV 1999

L1 5337 S LOAD(3W)BALANC###  
L2 2926 S CONNECT###(3W)IDENTIF###  
L3 3911 S LOOP(3A)PREVENT###  
L4 5160 S CONNECT###(3A)IDENTIF###  
L5 2 S L1(P)(L2 OR L4)(P)L3  
L6 104863 S (ATM OR FDDI OR ISDN OR WIRELESS OR BROADBAND)  
L7 19 S L1 AND L2 AND L6  
L8 1 S L3 AND L7  
L9 1 S L6 AND L3 AND L7

=> s (single or unique or universal or uniform or generic or aggregate#)(3w)(connection or interface or bandwidth or channel or link or path or route or routing)

L10 47796 (SINGLE OR UNIQUE OR UNIVERSAL OR UNIFORM OR GENERIC OR AGGREGAT

E#)(3W)(CONNECTION OR INTERFACE OR BANDWIDTH OR CHANNEL OR LINK

OR PATH OR ROUTE OR ROUTING)

=> s l4 and l10

L11 815 L4 AND L10

=> s l6 and l11

L12 333 L6 AND L11

=> s l1 and l12

L13 17 L1 AND L12

=> d 1-17

L13 ANSWER 1 OF 17 USPATFULL

AN 1999:97721 USPATFULL

TI Network supporting roaming, sleeping terminals

IN Gollnick, Charles D., Cedar Rapids, IA, United States

Luse, Ronald E., Marion, IA, United States

Pavek, John G., Cedar Rapids, IA, United States

Sojka, Marvin L., Cedar Rapids, IA, United States

Cnossen, James D., Marion, IA, United States

Danielson, Arvin D., Cedar Rapids, IA, United States

Mahany, Ronald L., Cedar Rapids, IA, United States

Detweiler, Mary L., Parnell, IA, United States

Spiess, Gary N., Lisbon, IA, United States

YES

NO

- load balance #  
- high speed  
- connect ID  
- single connect

loop prevent

West, Guy J., Cedar Rapids, IA, United States  
Young, Amos D., Cedar Rapids, IA, United States  
Meier, Robert C., Cedar Rapids, IA, United States  
Cargin, Jr., Keith K., Cedar Rapids, IA, United States  
Arendsdorf, Richard C., Ely, IA, United States  
Geers, Robert G., Cedar Rapids, IA, United States  
PA Norand Corporation, IA, United States (U.S. corporation)  
PI US 5940771 19990817  
AI US 1995-545108 19951019 (8)  
RLI Continuation of Ser. No. US 1992-947102, filed on 14 Sep 1992, now abandoned And a continuation of Ser. No. US 1992-907927, filed on 30 Jun 1992, now abandoned which is a continuation-in-part of Ser. No. US 1992-857603, filed on 30 Mar 1992, now abandoned which is a continuation-in-part of Ser. No. US 1991-700704, filed on 14 May 1991, now abandoned which is a continuation-in-part of Ser. No. US 1991-699818, filed on 13 May 1991, now abandoned  
DT Utility  
LN.CNT 3277  
INCL INCLM: 455/517.000  
INCLS: 455/524.000; 455/343.000; 370/311.000  
NCL NCLM: 455/517.000  
NCLS: 370/311.000; 455/343.000; 455/524.000  
IC [6]  
ICM: H04B007-26  
EXF 455/38.1; 455/38.3; 455/50.1; 455/54.1; 455/56.1; 455/63; 455/343; 455/517; 455/501; 455/524; 455/574; 455/575; 370/95.1; 370/280; 370/311; 370/338  
  
L13 ANSWER 2 OF 17 USPATFULL  
AN 1999:89986 USPATFULL  
TI Parallel connection control  
IN Choudhury, Gagan Lal, Aberdeen, NJ, United States  
Kshirsagar, Madhukar Moreshwar, Morganville, NJ, United States  
Veeraraghavan, Malathi, Atlantic Highlands, NJ, United States  
PA Lucent Technologies Inc., Murray Hill, NJ, United States (U.S. corporation)  
PI US 5933412 19990803  
AI US 1996-622716 19960326 (8)  
RLI Continuation-in-part of Ser. No. US 1994-324427, filed on 17 Oct 1994, now patented, Pat. No. US 5659544, issued on 19 Aug 1997  
DT Utility  
LN.CNT 1673  
INCL INCLM: 370/218.000  
INCLS: 370/231.000; 370/236.000; 370/397.000  
NCL NCLM: 370/218.000

NCLS: 370/231.000; 370/236.000; 370/397.000

IC [6]

ICM: H04J003-14

ICS: H04L012-56

EXF 370/217; 370/218; 370/219; 370/220; 370/229; 370/230; 370/231; 370/235;  
370/236; 370/355; 370/386; 370/388; 370/389; 370/395; 370/396; 370/397;  
370/400; 370/401; 370/409; 370/410; 370/905; 395/200.57; 395/200.58;  
395/200.59; 395/200.6; 395/200.79

L13 ANSWER 3 OF 17 USPATFULL

AN 1999:76551 USPATFULL

TI Method of automatic updating and use of routing information by  
programmable and manual routing information configuration based on least  
lost routing

IN Masters, Steven Paul, Kent, WA, United States

Lockard, Eric Neil, Redmond, WA, United States

PA Microsoft Corporation, Redmond, WA, United States (U.S. corporation)

PI US 5920697 19990706

AI US 1996-680232 19960711 (8)

DT Utility

LN.CNT 1154

INCL INCLM: 395/200.490

NCL NCLM: 709/219.000

IC [6]

ICM: G06F013-00

EXF 395/200.71; 395/200.72; 395/200.31; 395/200.35; 395/200.33; 395/200.47;  
395/200.49; 395/200.34; 395/200.39; 395/200.48; 395/200.59; 395/200.6;  
395/680

L13 ANSWER 4 OF 17 USPATFULL

AN 1999:31801 USPATFULL

TI Analysis and validation system for provisioning network related  
facilities

IN Farris, Robert D., Sterling, VA, United States

Harper, Myron E., Burtonsville, MD, United States

PA Bell Atlantic Network Services, Inc., Arlington, VA, United States (U.S.  
corporation)

PI US 5881131 19990309

AI US 1997-884616 19970627 (8)

RLI Continuation-in-part of Ser. No. US 1995-467646, filed on 6 Jun 1995,  
now patented, Pat. No. US 5644619 And a continuation-in-part of Ser. No.  
US 1995-376201, filed on 20 Jan 1995, now patented, Pat. No. US 5491742  
And a continuation-in-part of Ser. No. US 1993-152360, filed on 16 Nov  
1993, now patented, Pat. No. US 5416833

DT Utility

LN.CNT 3686

INCL INCLM: 379/027.000

INCLS: 379/201.000; 379/207.000; 379/265.000; 370/259.000

NCL NCLM: 379/027.000

NCLS: 370/259.000; 379/201.000; 379/207.000; 379/265.000

IC [6]

ICM: H04M001-24

ICS: H04M003-08; H04M003-22

EXF 379/27; 379/34; 379/111-112; 379/115; 379/121; 379/134; 379/140;  
379/196-197; 379/207; 379/219; 379/229; 379/242; 379/243; 379/265;  
379/308; 379/201; 379/93; 379/211-212; 379/230; 370/351; 370/352;  
370/389-390; 370/392; 370/259

L13 ANSWER 5 OF 17 USPATFULL

AN 1999:22898 USPATFULL

TI Load balancing between E-mail servers within a local  
area network

IN Masters, Steven Paul, Kent, WA, United States

Lockard, Eric Neil, Redmond, WA, United States

PA Microsoft Corporation, Redmond, WA, United States (U.S. corporation)

PI US 5872930 19990216

AI US 1996-680233 19960711 (8)

DT Utility

LN.CNT 1052

INCL INCLM: 395/200.530

INCLS: 370/228.000

NCL NCLM: 709/223.000

NCLS: 370/228.000

IC [6]

ICM: H04L012-56

EXF 395/200.53; 395/200.36; 370/253; 370/901; 370/438

L13 ANSWER 6 OF 17 USPATFULL

AN 1999:22743 USPATFULL

TI Virtual trees routing protocol for an ATM-based mobile network

IN Katzela, Irene, New York, NY, United States

Veeraraghavan, Malathi, Atlantic Highlands, NJ, United States

PA Lucent Technologies Inc., Murray Hill, NJ, United States (U.S.  
corporation)

PI US 5872773 19990216

AI US 1996-650097 19960517 (8)

DT Utility

LN.CNT 1529

INCL INCLM: 370/256.000

INCLS: 370/408.000; 370/409.000; 370/399.000

NCL NCLM: 370/256.000

NCLS: 370/399.000; 370/408.000; 370/409.000

IC [6]

ICM: H04L012-44

EXF 370/203; 370/254; 370/255; 370/256; 370/257; 370/258; 370/351; 370/389;  
370/395; 370/392; 370/400; 370/401; 370/402; 370/403; 370/404; 370/405;  
370/409; 370/410; 370/408; 370/399; 370/252; 370/310; 370/315; 370/328;  
370/338; 370/349; 370/398; 340/825.03; 340/826

L13 ANSWER 7 OF 17 USPATFULL

AN 1999:17023 USPATFULL

TI Method and apparatus for emulating a digital cross-connect switch  
network using a flexible topology to test MCS network management

IN McLain, Jr., John V., Colorado Springs, CO, United States

PA MCI Communications Corporation, Washington, DC, United States (U.S.  
corporation)

PI US 5867689 19990202

AI US 1996-641461 19960501 (8)

DT Utility

LN.CNT 1549

INCL INCLM: 395/500.000

NCL NCLM: 395/500.440

IC [6]

ICM: G06F009-44

EXF 370/241; 370/242; 370/244; 370/250; 370/251; 370/252; 370/248; 370/249;  
340/825.03; 340/826; 340/827; 364/550; 364/578; 395/500; 395/183.04;  
395/183.05; 395/183.08; 395/183.09

L13 ANSWER 8 OF 17 USPATFULL

AN 1999:16830 USPATFULL

TI System, method and article of manufacture for communications utilizing  
calling, plans in a hybrid network

IN Elliott, Isaac K., Colorado Springs, CO, United States

Krishnaswamy, Sridhar, Cedar Rapids, IA, United States

PA MCI Communications Corporations, Washington, DC, United States (U.S.  
corporation)

PI US 5867495 19990202

AI US 1996-758734 19961118 (8)

DT Utility

LN.CNT 12334

INCL INCLM: 370/352.000

INCLS: 370/389.000; 370/392.000; 379/090.010; 379/093.070; 379/114.000;  
379/144.000

NCL NCLM: 370/352.000

NCLS: 370/389.000; 370/392.000; 379/090.010; 379/093.070; 379/114.000;

379/144.000

IC [6]

ICM: H04L012-66

ICS: H04L012-28; H04L012-56; H04M015-00

EXF 370/352; 370/383; 370/389; 370/390; 370/392; 370/401; 370/410; 370/408;  
379/89; 379/90.01; 379/100.11; 379/114; 379/100.13; 379/93.08;  
379/93.07; 379/93.14; 379/93.29; 379/144

L13 ANSWER 9 OF 17 USPATFULL

AN 1999:16829 USPATFULL

TI System, method and article of manufacture with integrated video  
conferencing billing in a communication system architecture

IN Krishnaswamy, Sridhar, Cedar Rapids, IA, United States

Elliott, Isaac K., Colorado Springs, CO, United States

Reynolds, Tim E., Iowa City, IA, United States

Forgy, Glen A., Iowa City, IA, United States

Solbrig, Erin M., Cedar Rapids, IA, United States

PA MCI Communication Corporation, Washington, DC, United States (U.S.  
corporation)

PI US 5867494 19990202

AI US 1996-752271 19961118 (8)

DT Utility

LN.CNT 16241

INCL INCLM: 370/352.000

INCLS: 370/389.000; 370/392.000; 379/090.010; 379/093.070; 379/114.000

NCL NCLM: 370/352.000

NCLS: 370/389.000; 370/392.000; 379/090.010; 379/093.070; 379/114.000

IC [6]

ICM: H04L012-66

ICS: H04L012-28; H04L012-56

EXF 370/352; 370/383; 370/389; 370/390; 370/392; 370/401; 370/458; 370/410;  
370/256; 379/67; 379/89; 379/93.07; 379/93.08; 379/93.25; 379/100.11;  
379/114; 379/201; 379/207; 379/90.01; 455/436

L13 ANSWER 10 OF 17 USPATFULL

AN 1998:145064 USPATFULL

TI Dynamic allocation of port bandwidth in high speed packet-switched  
digital switching systems

IN Bonomi, Flavio, 526 Lowell Ave., Palo Alto, CA, United States 94301

Headrick, Kent H., 35266 Severn Dr., Newark, CA, United States 94560

Shah, Amit, 880 Bremerton Dr., Sunnyvale, CA, United States 94087

PI US 5838681 19981117

AI US 1996-590970 19960124 (8)

DT Utility

LN.CNT 1219

INCL INCLM: 370/395.000

INCLS: 370/477.000

NCL NCLM: 370/395.000

NCLS: 370/477.000

IC [6]

ICM: H04L012-56

EXF 370/229; 370/230; 370/232; 370/231; 370/234; 370/235; 370/236; 370/237;  
370/389; 370/387; 370/388; 370/391; 370/392; 370/394; 370/395; 370/396;  
370/397; 370/404; 370/405; 370/401; 370/408; 370/429; 370/477; 370/475;  
370/535; 370/902; 370/905; 370/912

L13 ANSWER 11 OF 17 USPATFULL

AN 1998:129343 USPATFULL

TI Method, system and apparatus for telecommunications control

IN Christie, Joseph Michael, San Bruno, CA, United States

PA Sprint Communications Co.L.P., Kansas City, MO, United States (U.S.  
corporation)

PI US 5825780 19981020

AI US 1995-568551 19951207 (8)

RLI Continuation of Ser. No. US 1994-238605, filed on 5 May 1994, now  
abandoned

DT Utility

LN.CNT 1845

INCL INCLM: 370/522.000

NCL NCLM: 370/522.000

IC [6]

ICM: H04J003-12

EXF 370/58.2; 370/68.1; 370/110.1; 370/60; 370/60.1; 370/94.1; 370/94.2;  
370/384; 370/410; 370/524; 370/522; 370/264; 379/220; 379/229; 379/230

L13 ANSWER 12 OF 17 USPATFULL

AN 1998:129335 USPATFULL

TI Distributed connection-oriented services for switched communications  
networks

IN Dobbins, Kurt, Bedford, NH, United States

Grant, Thomas A., Derry, NH, United States

Ruffen, David J., Salem, NH, United States

Kane, Laura, Merrimack, NH, United States

Len, Theodore, Amherst, NH, United States

Andlauer, Philip, Londonderry, NH, United States

Bahi, David H., Manchester, NH, United States

Yohe, Kevin, Amherst, NH, United States

Fee, Brendan, Nashua, NH, United States

Oliver, Chris, Rochester, NH, United States

Cullerot, David L., Manchester, NH, United States

Skubisz, Michael, Durham, NH, United States

PA Cabletron Systems, Inc., Rochester, NH, United States (U.S. corporation)

PI US 5825772 19981020

AI US 1996-626596 19960402 (8)

RLI Continuation-in-part of Ser. No. US 1995-559738, filed on 15 Nov 1995,  
now patented, Pat. No. US 5684800

DT Utility

LN.CNT 1686

INCL INCLM: 370/396.000

INCLS: 370/401.000; 370/410.000

NCL NCLM: 370/396.000

NCLS: 370/401.000; 370/410.000

IC [6]

ICM: H04L012-56

ICS: H04L012-44

EXF 370/216; 370/225; 370/238; 370/256; 370/395; 370/396; 370/400; 370/401;  
370/402; 370/407; 370/408; 370/351; 370/410

L13 ANSWER 13 OF 17 USPATFULL

AN 1998:113340 USPATFULL

TI Method and apparatus for emulating a dynamically configured digital  
cross-connect switch network

IN McLain, Jr., John V., Colorado Springs, CO, United States

Dellinger, James D., Colorado Springs, CO, United States

PA MCI Communications Corporation, Washington, DC, United States (U.S.  
corporation)

PI US 5809286 19980915

AI US 1996-641458 19960501 (8)

DT Utility

LN.CNT 1678

INCL INCLM: 395/500.000

NCL NCLM: 395/500.440

IC [6]

ICM: G06F009-44

EXF 370/241; 370/242; 370/244; 370/250; 370/251; 370/252; 370/248; 370/249;  
340/825.03; 340/826; 340/827; 364/550; 364/578; 395/500; 395/183.04;  
395/183.05; 395/183.08; 395/183.09

L13 ANSWER 14 OF 17 USPATFULL

AN 1998:49512 USPATFULL

TI Method and apparatus for emulating a digital cross-connect switch  
network

IN McLain, Jr., John V., Colorado Springs, CO, United States

PA MCI Corporation, Washington, DC, United States (U.S. corporation)

PI US 5748617 19980505